

Docket No.: 059516-0058



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
Tao Lu LOWE, et al.	:	Confirmation Number: 3378
Application No.: 10/807,510	:	Group Art Unit: 1632
Filed: March 24, 2004	:	Examiner: Not yet assigned
For: MULTI-FUNCTIONAL POLYMERIC MATERIALS AND THEIR USES	:	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

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Respectfully submitted,

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)


 ATTY. DOCKET NO.
059516-0058

 SERIAL NO.
10/807,510

 APPLICANT
Tao Lu LOWE, et al.

 FILING DATE
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 GROUP
1632

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Codes-Number 4-Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		KURISAWA M, et al. (1998a). "Modulated degradation of hydrogels with thermoresponsive network in relation to their swelling behavior", <i>Macromolecular Chemistry and Physics</i> 199: 705-709
		KURISAWA, M and YUI, N (1998b). "Modulated degradation of dextran hydrogels grafted with poly(N-isopropylacrylamide-co-N,N-dimethylacrylamide) in response to temperature", <i>Macromolecular Chemistry and Physics</i> 199: 2613-2618.
		SALTZMAN, WM, et al. (1999). "Intracranial delivery of recombinant nerve growth factor: Release kinetics and protein distribution for three delivery systems", <i>Pharmaceutical Research</i> 16: 232-240.
		CAO, XD and SHOICHET, MS (1999). "Delivering neuroactive molecules from biodegradable microspheres for application in central nervous system disorders", <i>Biomaterials</i> 20: 329-339.
		STILE, RA, et al. (1999). "Synthesis and characterization of injectable poly(N-isopropylacrylamide)-based hydrogels that support tissue formation in vitro", <i>Macromolecules</i> 32: 7370-7379.
		ZHANG, YL, et al. (1999). "Synthesis and characterization of biodegradable network hydrogels having both hydrophobic and hydrophilic components with controlled swelling behavior", <i>Journal of Polymer Science Part A-Polymer Chemistry</i> 37: 4554-4569.
		KLOK, HA, et al. (2002). "Self-assembling biomaterials: L-lysine-dendron-substituted cholesteryl-(L-lactic acid)(n)over-bar", <i>Macromolecules</i> 35: 6101-6111.
		ZHU, LY, et al. (2002). "Thermosensitive aggregates self-assembled by an asymmetric block copolymer of dendritic polyether and poly(N-isopropylacrylamide)", <i>European Polymer Journal</i> 38: 2503-2506.
		YOSHIDA, T, et al. (2003). "Newly designed hydrogel with both sensitive thermoresponse and biodegradability", <i>Journal of Polymer Science Part A-Polymer Chemistry</i> 41: 779-787.
		CHOI, JS, et al. (1999). "Poly(ethylene glycol)-block-poly(L-lysine) dendrimer: Novel linear polymer/dendrimer block copolymer forming a spherical water-soluble polyionic complex with DNA", <i>Bioconjugate Chemistry</i> 10: 62-65.
		CHOI JS, et al. (2000). "Synthesis of a barbell-like triblock copolymer, poly(L-lysine) dendrimer-block-poly(ethylene glycol)-block-poly(L-lysine) dendrimer, and its self-assembly with plasmid DNA", <i>Journal of the American Chemical Society</i> 122: 474-480.
		LOWE, TL, et al. (1998). "Partially fluorinated thermally responsive latices of linear and crosslinked copolymers" <i>Journal of Polymer Science Part B-Polymer Physics</i> 36: 2141-2152.
		LOWE, TL and TENHU, H (1998). "Interactions of thermally responsive polyelectrolyte latices with low molar mass organic molecules studied by light scattering", <i>Macromolecules</i> 31: 1590-1594.
		LOWE, TL, et al. (1999). "Thermal and rheological properties of hydrophobically modified responsive gels", <i>Macromolecular Chemistry and Physics</i> 200: 51-57.
		LOWE, TL, et al. (1999). "Hydrophobically modified responsive polyelectrolytes", <i>Langmuir</i> 15: 4259-4265.
		LOWE, TL, et al. (1999). "Interactions of drugs and spin probes with hydrophobically modified polyelectrolyte hydrogels based on N-isopropylacrylamide", <i>Polymer</i> 40: 2595-2603.
		LOWE, TL, et al. (1999). "Effect of hydrophobicity of a drug on its release from hydrogels with different topological structures", <i>Journal of Applied Polymer Science</i> 73: 1031-1039.
		VAN DIJK-WOLTHUIS, WNE, et al. (1997). "A new class of polymerizable dextrans with hydrolyzable groups: Hydroxyethyl methacrylated dextran with and without oligolactate spacer", <i>Polymer</i> 38, 6235-6242.
		VAN DIJK-WOLTHUIS, WNE, et al. (1997). "Degradation and release behavior of dextran-based hydrogels", <i>Macromolecules</i> , 30, 4639-4645.

EXAMINER

DATE CONSIDERED

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